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U. S. Department of Agriculture

# WOOD'S CROP SPECIAL

## Wood's Permanent Pasture and Hay Mixtures



A pasture in Edgecombe Co., N. C., seeded with Wood's Permanent Pasture Mixture 25 years ago, is as productive as ever

**More Economical, Productive, Nutritious and Palatable Than Ladino with Orchard Grass or Tall Fescue. Sow 25 lbs. Acre**

Experiment station tests show yields of pasture and hay increase as more seed per acre is sown, up to 25 lbs., and as more different compatible clovers and grasses are added. Mixtures of many grasses and clovers, including Ladino, Orchard, Alfalfa and Red Clover yielded about a third more than one clover and one grass. Ladino with Ky. 31 yielded 5,435 lbs. dry weight in 1950 but only 1,561 lbs. in 1951, as the Ladino winterkilled, leaving no legume to furnish nitrogen to the grass. The quality and feeding value was also cut. They concluded: "Using more than one legume in a mixture is a good insurance investment because species differ in adaptability to soil, climate and biological growth factors."

Our mixtures, proved superior for 3 generations, contain 7 legumes and 9 grasses, with Ladino Clover and Orchard Grass as a base. Disease Resistant Red Clover, Alfalfa, Alsike, Dixie White, Bur and Reseeding Crimson Clovers, Paspalum, Kentucky Blue, Red Top, Ky. 31 or Alta and Meadow Fescue, Timothy, Perennial and Domestic Rye Grass. They grow off faster and flourish in dry summers, crowding out weeds that retard Ladino, Orchard or Tall Fescue sown alone. They bear abundantly many years, minimizing the seeding cost. They are well balanced, high in protein, extremely nutritious and palatable. Animals eat more and grow faster or produce more milk, saving feed bills.

Price f.o.b. \$39.00 per 100-lb. bag; 25 to 99 lbs. 41c. per lb.

### PERMANENT PASTURE MIXTURES 1 to 3

Contain grasses and clovers which make their maximum growth at different times throughout the year for abundant nutritious year-round grazing. They cannot cause bloating. Thousands of prize cattle have died bloating when one grass was planted and disappeared, leaving only Ladino to graze.

- No. 1. For light gravelly or sandy soil
- No. 2. For good loam soil
- No. 3. For moist bottom land

### WOOD'S PERMANENT HAY MIXTURES 6 to 8

Contain grasses and clovers which mature at the same time, making bumper hay crops, which are easily cured. They recover quickly, giving several big cuttings of the finest hay every year.

- No. 6. For light gravelly or sandy soil
- No. 7. For good loam or clay soil
- No. 8. For moist bottom land

**WOOD'S SOUTHERN PERMANENT PASTURE and HAY MIXTURE No. 12** produces tremendous yields of the finest pasture and hay on both light and heavy soils in the Southern Coastal Area from Virginia to the Gulf.

### LADINO CLOVER—California Grown

The most nutritious, palatable and productive year round pasture legume. Its peak growth is in early spring and fall when native grasses are short. It is so rich it may cause bloating unless grasses are grown with it. Sow 1 to 2 lbs. Ladino with 10 lbs. of orchard grass or tall fescue, in early fall. Add 2 lbs. of Red Clover and 5 lbs. of Alfalfa for more summer pasture. Wood's Permanent Pasture and Hay Mixtures contain all these with additional grasses and clovers for maximum year round production and highest feed value, but so susceptible to bloating.

### CRIMSON CLOVER

The best winter legume for soil improvement, hay and pasture, nutritious, high in protein, relished by all livestock. It conserves soil fertility. Turned under it adds valuable nitrogen and humus, holds moisture during droughts, and improves following crops tremendously. We handle only the brightest, highest quality seed, purer, freer of weed, with stronger germination, producing better stands and more vigorous crops. Our imported and Tenn. seed both meet P.M.A. requirements. Inoculate and sow 25 pounds per acre, August to October. It may



cause bloat if grazed alone. It is in Wood's Grain Pasture Mixture. A highly nutritious, balanced diet that cannot cause bloat and is better for winter grazing as small grains make more growth in cold weather.

### KANSAS AND OKLAHOMA ALFALFA

**U. S. Verified Origin. Premium Quality.** For years Kansas and Oklahoma Approved have been recommended by the U.S.D.A. and state experiment stations in the Southeast, where they have made top yields, been more resistant to diseases; stands have persisted longer than with seed from other sections, and been sufficiently winter hardy, as Kan. and Okla. have climates similar to the Southeast. They have found no difference between the two as Okla. Approved is from Northern and Central Okla., separated only by the state line from the section where Kansas seed is grown, and both strains have a common origin. Ohio, Indiana and Illinois tests for several years proved they were identical in winter-hardiness, yield and growth. We have sold Okla. Approved seed from this section many years. It has produced equally as well as Kansas. We do not sell cheap common Oklahoma seed.

**ALFALFA CULTURE.** Alfalfa lasts for years, improves soils and produces the greatest yields of hay, pasture and silage, higher in protein, minerals and feed value, essential to the growth and productiveness of all livestock, than most other plants. Pasture yields are increased up to 3 times by adding alfalfa. At V.P.I. the first cuttings of Ladino, Orchard Grass was 657 lbs. of good forage and 375 lbs. of weeds. When alfalfa was added good forage was 1,825 lbs. and weeds 35 lbs. The minerals and plant food for this growth come from the soil and must be put there. Alfalfa uses twice as much phosphorus and calcium and 3 times as much potash as Lespedeza. Put alfalfa on deep well drained soils. Use 1,000 lbs. of borated 2-12-12 at seeding and 800 lbs. borated 0-14-14 each spring. Inoculate and sow in Aug. or Sept. on a firm seedbed; cover 1/4 inch; cultipack or drag; 25 lbs. per acre or 20 lbs. with 5 lbs. orchard grass for hay. Add 5 lbs. to every pasture mixture.







<b>ABRUZZI RYE</b>	<b>Stocks Short</b>	
New 2-bu. bags	20-bu. Per bu.,	
Sow 1½ bu. acre.	lots 56 lbs.	
<b>ABRUZZI RYE</b> .....	\$3.50	\$3.60
<b>BALBOA RYE</b> .....	3.50	3.60



U. S. Dept. Agri. says: "Lee has been the leading fall sown oat for 25 years from Piedmont Georgia to Maryland, because of its exceptional vigor, hardiness, quality and yielding ability." It made the highest average yields for 11 years in Piedmont, Va., tests, for 3 years in Md., 4 in N. J., and Del. Made 107.8 bu. per acre in a N. C. test and 6¼ tons of hay. We introduced Lee. Our reselected strain is the best.

### WOOD'S WINTER OATS

Sow 2 bu. per acre.	30-bu. Per bu.,	
Treated. New 3-bu. bags.	lots 32 lbs.	
<b>ARLINGTON</b> .....	\$1.85	\$1.90
<b>CERT. ARLINGTON</b> .....	2.00	2.05
<b>C. S. S. ARLINGTON</b> .....	2.15	2.20
<b>LEE COLD PROOF</b> .....	1.85	1.90
<b>CERT. LEE Cold Proof</b> .....	2.00	2.05
<b>WINTER TURF</b> , onion free	1.75	1.80
Most winter hardy, dependable oat.		
<b>FORKEDEER</b> .....	1.85	1.90
<b>CERTIFIED FORKEDEER</b> .....	2.00	2.05
<b>LETORIA</b> .....	1.70	1.75
<b>STANTON</b> .....	1.70	1.75
<b>VICTORGRAIN 48-93</b> .....	1.75	1.80
<b>FULGRAIN</b> .....	1.75	1.80
<b>CERTIFIED FULGRAIN</b> .....	1.90	1.95
<b>WOOD'S FULGRAIN 3</b> .....	1.80	1.85

Earliest oat. Outyielded Victorgrain, Arlington, and all others in Eastern Shore, Va., test, 15 bu. more than Fulgrain. Tops 3 years in Pee Dee, S. C. tests, 10.5 bu. more than Fulgrain B.F.S.



Dr. T. R. Stanton, U.S.D.A. and our breeding staff studying our oat plots. He says **Wood's Fulgrain 3** is much more vigorous than ordinary Fulgrain. It is ten days earlier, maturing before hot weather and rust damage. Bred 11 years thru severe Va. winters, it is more winter hardy. It resists storms, smut and Victoria blight. It stools profusely, has wide dark green leaves, short sturdy erect straw, ideal to combine. Long, well balanced heads fruit heavily. Big plump grains, low in hull, high test weight and feed value.

## Seed Grains

99% Pure. High Germination. New Bags

**Double Cleaned. We Hot Water Treat** our foundation seeds of wheat and barley to prevent loose smut. We **Ceresan treat** all wheat, oats and barley to insure better stands of disease free crops. We are the largest Southern breeders and growers of small grain seed, growing 8,000 acres from the finest Registered or Certified stock. To avoid mixing, only one variety is grown on any one farm. No crop is planted in a field where other small grain was grown last season. All fields are carefully rogued and must pass Certified Field Inspection.

### WOOD'S SEED BARLEY

Treated. 2-bu. bags.	20-bu. Per bu.,	
Sow 2 bu. per acre.	lots 48 lbs.	
<b>BEARDLESS</b> .....	\$2.60	\$2.65

<b>WONG</b> , grown from hot water treated foundation stock.	2.90	3.00
<b>C. S. S. WONG</b> .....	3.20	3.30
<b>COLONIAL II</b> , smut free..	2.90	3.00
<b>CALHOUN</b> .....	2.60	2.65

### Wood's Grain Pasture Mixture

Furnishes more grazing in less time and at less cost than any other crop. It keeps more animals per acre in good healthy condition in winter, when feed costs are high, and permanent pastures short and need a rest. Saves expensive labor in feeding. It is highly nutritious and relished by all livestock and poultry. The grains are balanced with legumes for protein, growth and warmth, but cannot cause bloat. For continuous fall, winter and spring grazing, it has ideal proportions of Crimson Clover, Rape, Hairy Vetch, Austrian Winter Peas, Abruzzi Rye, Beardless Barley, Winter Oats and Smooth Wheat. Sow early, 100 lbs. acre, with 400 lbs. 5-10-5. Top dress in early fall with 200 lbs. Nitrate Soda. Do not graze under 3 inches. 100-lb. bag, \$9.00; in 5-bag lots, \$8.75.

### Wood's Grain Hay Mixture

Makes bumper crops of nutritious hay, easy to cure and relished by all livestock. It is much more productive and palatable than oats or any other crop sown alone. Excellent nurse crop for seeding permanent grass and clover as it comes off early. It contains Winter Oats, Smooth Wheat, Beardless Barley, Hairy Vetch, Austrian Winter Peas and Crimson Clover, furnishing a balanced ration of proteins, vitamins and other food elements. Sow 100 lbs. acre. Fertilize well. 100 lbs. \$9.00; in 5-bag lots \$8.75.



Thorne is the most popular and highest yielding wheat in the Upper South and East. It is smut, mosaic and winter resistant. Stands up better, combines easier. It has large heads, big, plump grain, good milling quality.

### BEARDLESS WHEAT

Plant 1½ bu. acre.	20-bu. Per bu.,	
2-bu. bags. Treated.	lots 60 lbs.	
<b>ATLAS 66</b> .....	\$3.20	\$3.30
<b>ATLAS 50</b> .....	3.20	3.30
<b>THORNE</b> .....	3.35	3.45
<b>SENECA</b> , Improved Thorne.	3.90	4.00
<b>VAHART</b> .....	3.35	3.45

Va. recommends it for high yields and milling quality, stiff straw and resistance to mildew, cold and smut.

**REDHART** .....

Earliest wheat, short, stiff straw. Top milling quality. Resists rust.

**HARDIRED** .....

**LEAP'S PROLIFIC** .....

Top milling quality. Most cold and smut resistant. Stiff straw. Big, heavy head and grain. Toy yields in Va. tests west of Blue Ridge, in N. C. Piedmont tests and made 49.8 bu. per acre, the record in 19 U.S.D.A. Wheat tests.

**FORWARD** .....

**NURED** .....

### BEARDED WHEAT

Can be depended on every year. Smooth wheat may make a bumper crop one year and fail the next.

**V.P.I. 131** .....

**FULCASTER** .....

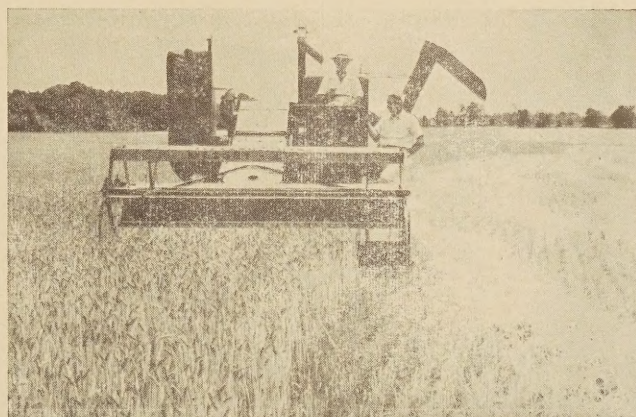
**STONER** .....

**NUDEL** .....

New Fulcaster strain. Far outyielded other bearded wheats in Va. tests 5 years with 17.2 to 28.8% less lodging.

**NITANY (Penn. 44)** .....

Improved Fulcaster, like V.P.I. 131, outyielded it, is more resistant to lodg-wheats but Atlas in 1950 in N. C. tests. ing, cold, smut, mildew and rust, has better milling quality. Outyielded all



33 acres of our **Colonial 2 Barley** near Richmond, yielding nearly 2,000 bus. Our other field averaged 61 bus. per acre, ½ more than other varieties and had much higher test weight per bu. It has no smut or disease, is tolerant to rust and resists mildew. It is awnless, has short, stiff straw, ideal to combine. In 6 N.C. tests it averaged 72.3 bus. per acre to 46.5 for Wong and winter killed 12% less.



# WOOD'S High Grade GARDEN SEEDS



For Prices on Larger Quantities, Write for Market Gardeners' Price List

## GARDEN BEETS

Plant now for winter storage. 1 oz. will plant 50 ft. row 6 to 8 lbs.

	Postpaid		
	Pkt.	Oz.	¼ lb.
Early Wonder, 50 days	.10	.25	.60
Crosby's Egyptian, 50 days	.10	.25	.60
Improved Early Blood, 55 days	.10	.25	.60
Detroit Dark Red, 55 days	.10	.25	.60
Crimson Globe, 55 days	.10	.25	.60
Extra Early Egyptian, 45 days	.10	.25	.60



Copenhagen Market

## CABBAGE

One ounce will plant 100-foot row and will produce about 2,000 plants; 6 to 8 ounces will make enough plants for 1 acre.

	Postpaid		
	Pkt.	Oz.	¼ lb.
Copenhagen Market, 70 days	.10	.40	.90
Selected Early Jersey Wakefield, 65 days	.10	.50	1.10
Charleston Wakefield, 75 days	.10	.40	1.10
All Head Early, 85 days	.10	.40	.90
Early Flat Dutch, 85 days	.10	.40	.90
Chieftan Drumhead Savoy, 90 days	.10	.55	1.20

### YELLOWS RESISTANT CABBAGES

Marion Market, 75 days	.10	.55	1.20
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## CARROTS

One ounce will plant 100 feet of drill, 3 to 4 pounds to the acre.

	Postpaid		
	Pkt.	Oz.	¼ lb.
Red Cored Chantenay, 70 days	.10	.25	.60
Danvers Half Long, 75 days	.10	.25	.60
Wood's Scarlet Intermediate, 75 days	.10	.30	.70
Imperator, 75 days	.10	.25	.60
Improved Long Orange, 85 days	.10	.25	.60

## COLLARDS

	Postpaid		
	Pkt.	Oz.	¼ lb.
Carolina Header	.10	.35	.80
North Carolina Short Stem, 80 days	.10	.30	.70
White or Cabbage, 80 days	.10	.25	.60
Georgia or Southern, 80 days	.10	.25	.60
Vates, 80 days	.10	.35	.80

## CRESS

	Postpaid		
	Pkt.	Oz.	¼ lb.
Curled or Pepper Grass, 40 days	.10	.25	.60
Water Cress, 50 days	.15	1.45	3.20
Upland, 60 days	.10	.35	.80

## ENDIVE

	Postpaid		
	Pkt.	Oz.	¼ lb.
Green Curled, 90 days	.10	.25	.60
Broad Leaved Batavian, 95 days	.10	.25	.60

## KOHL RABI

	Postpaid		
	Pkt.	Oz.	¼ lb.
Early White Vienna	.10	.65	1.40

## LEEK

	Postpaid		
	Pkt.	Oz.	¼ lb.
Large Flag	.10	.90	2.00

## LETTUCE

One ounce produces about 1,500 plants; 2 lbs. an acre.

	Postpaid		
	Pkt.	Oz.	¼ lb.
Wood's Cabbage, 65 days	.10	.35	.80
Improved Big Boston, 75 days	.10	.30	.70
Iceberg, 80 days	.10	.45	1.00
Great Lakes, 82 days	.10	.90	2.00
Imperial 44	.10	.60	1.30
Cos or Romaine, 65 days	.10	.30	.70
Early Curled Simpson, 50 days	.10	.30	.70
Grand Rapids, 45 days	.10	.30	.70
Black Seeded Simpson, 50 days	.10	.30	.70
Chicken Lettuce, 55 days	.10	.30	.70

## MUSTARD

One ounce will plant 100 feet of row, 5 to 6 pounds per acre

	Postpaid		
	Pkt.	Oz.	¼ lb.
Southern Giant Curled, 35 days	.10	.25	.55
Old Fashion	.10	.30	.70
Florida Broad Leaved, 40 days	.10	.25	.55
Tendergreen or Mustard Spinach, 25 days	.10	.25	.55
Fordhook Fancy, 45 days	.10	.25	.55

## KALE

One ounce plants 100 feet of drill; 8 pounds to the acre broadcast; 4 to 5 pounds in drills.

	Postpaid		
	Pkt.	Oz.	¼ lb.
Early Curled Siberian, 65 days	.10	.25	.50
Dwarf Blue Curled Scotch or Norfolk	.10	.25	.60
Spring Kale or Hanover Salad, 30 days	.10	...	.20

## ONION

	Postpaid		
	Pkt.	Oz.	¼ lb.
Prize Taker or Spanish King, 100 days	.10	.65	1.40
Valencia Sweet Spanish	.10	.65	1.40
Yellow Globe Danvers, 110 days	.10	.65	1.40
Silver Skin or White Portugal, 100 days	.10	.70	1.50
Extra Early White Pearl, 85 days	.10	.65	1.40

## PARSLEY

One ounce will plant 100 feet

	Postpaid		
	Pkt.	Oz.	¼ lb.
Champion Moss Curled, 70 days	.10	.25	.55
Plain or Single, 70 days	.10	.25	.55
Hamburg Parsnip Rooted, 90 days	.10	.25	.55

## GARDEN PEAS

	Postpaid			
	Pkt.	¼ lb.	1 lb.	5 lbs. 10 lbs.
Thomas Laxton, 55 days	.10	.35	.60	1.85 2.90
Laxton's Progress, 53 days	.10	.35	.65	2.05 3.40
Laxtonian or Hundredfold, 53 days	.10	.35	.65	2.05 3.40
Early Bird or Laxton's Superb, 55 days	.10	.25	.60	1.90 3.10
Little Marvel, 55 days	.10	.35	.65	2.05 3.40

## WINTER RADISHES

One ounce will plant 50 feet 8 to 10 pounds an acre

	Postpaid		
	Pkt.	Oz.	¼ lb.
Rose China Winter, 60 days	.10	.25	.50
Chinese or Celestial, 60 days	.10	.25	.50
Long Black Spanish, 60 days	.10	.25	.50



## SPINACH

Two ounces will plant 100 feet of drill; 12 to 15 lbs. one acre

	Postpaid		
	Pkt.	Oz.	¼ lb.
New Zealand, 55 days	.10	.20	.40
Norfolk Savoy or Bloomsdale, 45 days	.10	.15	.30
Long Standing Bloomsdale, 50 days	.10	.15	.30
Virginia Blight Resistant	.10	.15	.30

## TURNIP

One ounce plants 100 feet of drill; 1½ lbs. plants 1 acre in drills; 2 lbs. 1 acre broadcast; salad varieties, 3 pounds to the acre.

	Postpaid	
	Oz.	¼ lb.
Improved Purple Top White Globe	.25	.60
Mammoth Purple Top White Globe	.25	.50
Purple Top Strapleaf	.25	.50
Early White Flat Dutch	.25	.50
Pomeranian White Globe	.25	.50
Long White Cowhorn	.25	.50
White Egg	.25	.50
Purple Top Yellow Aberdeen	.25	.50
Large Amber or Yellow Globe	.25	.50
Golden Ball	.25	.50
Seven Top (Salad Variety)	.25	.50
Southern Prize (Salad Variety)	.25	.50
Shogoin (Japanese Salad)	.25	.50

### RUTABAGA

Improved Purple Top Yellow	.25	.60
Purple Top Yellow	.25	.50